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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/728,506	12/05/2003	Daniel F. Sievenpiper	B-4046DIV 621280-9	9093		
36716	7590 02/16/2006		EXAMINER			
LADAS & I	PARRY IIRE BOULEVARD, SU	NGUYEN, TAI V				
	LES, CA 90036-5679	ART UNIT	PAPER NUMBER			
			3729			
	•			DATE MAILED: 02/16/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Appi	ication No.	Applicant(s)				
Office Action Summary		10/7	28,506	SIEVENPIPER E	T AL.			
		Exan	niner	Art Unit				
			an Nguyen	3729				
<i>The</i> Period for Rep	MAILING DATE of this commu ly	nication appears o	n the cover sheet	t with the correspondence a	ddress			
WHICHEVE - Extensions of after SIX (6) N - If NO period fo - Failure to reply Any reply rece	NED STATUTORY PERIOD F IR IS LONGER, FROM THE Nations may be available under the provision: MONTHS from the mailing date of this com- or reply is specified above, the maximum s by within the set or extended period for repli- tived by the Office later than three months term adjustment. See 37 CFR 1.704(b).	MAILING DATE O s of 37 CFR 1.136(a). In munication. tatutory period will apply y will, by statute, cause the	F THIS COMMU no event, however, may and will expire SIX (6) Mane application to become	NICATION. y a reply be timely filed MONTHS from the mailing date of this of the ABANDONED (35 U.S.C. § 133).				
Status								
1)⊠ Respo	onsive to communication(s) file	ed on <i>05 Decemb</i>	per 2003.					
· <u> </u>		2b)⊠ This action						
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
·	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of	Claims							
4)⊠ Claim	4) ☐ Claim(s) <u>23-33</u> is/are pending in the application.							
•	4a) Of the above claim(s) <u>30-33</u> is/are withdrawn from consideration.							
•	(s) is/are allowed.							
, 	6)⊠ Claim(s) <u>23-29</u> is/are rejected.							
·	(s) is/are objected to.							
• —	(s) are subject to restri	ction and/or elect	ion requirement.					
Application Pa	pers							
_		o Evaminar						
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
TT) THE O	atti oi deciaration is objected t	o by the Examine	ir. Hole the attac	ned office Action of Torrit	10 102.			
•	35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 09/905,794. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice of Dra 3) Information D	ferences Cited (PTO-892) Inftsperson's Patent Drawing Review (Disclosure Statement(s) (PTO-1449 of Mail Date 10/15/04,12/5/03.		Paper	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application (PT	⁻ O-152)			

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DETAILED ACTION

Election/Restrictions

1. Applicants, election with traverse in the reply filed on 1/12/2006 is acknowledged.

The traversal is on the ground(s) that applicants believe that the restrictions between inventions Group I, and Group II, is incorrect. The examiner traverses because the following reasons.

Group I, claims 23-29, requires a sheet metal with a plurality openings and protrusions not required in Group II.

Group II, requires a metal layer on the molded structure, not required in Group I.

Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 30-33 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 1/12/2006.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

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4. The following title is suggested: A METHOD OF MAKING A HIGH IMPEDANCE SURFACE.

Drawings

5. The drawings are objected to because in Fig. 7(a)-7(d) does not show "protrusion" 45 in the sheet metal" (Specification page 13, lines 23-24). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 23-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Fork (US 3,886,702).

As applied to claims 23-27, Fork discloses a method of making a high impedance surface comprising the steps of: (a) forming a structure from sheet metal (160A, Fig. 6), the structure having a plurality of openings (175) therein with confronting sidewalls on the sides of the openings (176), the structure also having a plurality of protrusions projecting (170) from a major surface thereof; and (b) joining the structure to additional sheet metal (160B) such that ends of the protrusions remote from the major surface are coupled to the additional sheet metal.

As applied to claim 28, Fork discloses the sidewalls define repeating geometric pattern (see sequence Fig. 1 and 5-6).

As applied to claim 29, Fork discloses repeating geometric pattern is a pattern of square-shaped cells (168, 169).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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9.Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tai Van Nguyen whose telephone number is 571-272-4567. The examiner can normally be reached on M-F (7:30 A.M - 4:30 P.M).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TN. February 8, 2006

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